

# EDMG564

**STUDENT WARNING:** This course syllabus is from a previous semester archive and serves only as a preparatory reference. Please use this syllabus as a reference only until the professor opens the classroom and you have access to the updated course syllabus. Please do NOT purchase any books or start any work based on this syllabus; this syllabus may NOT be the one that your individual instructor uses for a course that has not yet started. If you need to verify course textbooks, please refer to the online course description through your student portal. This syllabus is proprietary material of APUS.

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## Course Summary

**Course :** EDMG564 **Title :** Wildland Fire Mitigation and Management

**Length of Course :** 8

**Prerequisites :** N/A **Credit Hours :** 3

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## Description

**Course Description:** A new normal is now present with respect to wildland fire occurrence. Mega-drought, depleted water resources, climate change-enabled forest insect infestations, reduced snowpack, and related impacts have resulted in earlier, more prolonged, and more deadly fire seasons in America's natural wilderness regions. Mitigation of and adaptation to this new normal are important features of protecting the public that students, practitioners, and public officials must be aware of in order to effectively discharge their respective duties. This course will make current and future public officials aware of the challenge, the urgency of action, the opportunities available, and the leadership & management skills needed to guide society during this increasingly critical threat situation.

### Course Scope:

This course will prepare students to assume leadership and management roles in the protection from fire of America's natural wilderness and communities built within. Root causes of the situation are studied. Mitigation opportunities are examined. For a final project, students conduct a case study of a historical wildland fire and draw the appropriate lessons.

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## Objectives

After successfully completing this course, you will be able to:

- CO-1: Examine the role of fire in the natural ecosystem and the various perspectives that can be used to approach the issues involved
- CO-2: Evaluate potential public policy actions that could be utilized to mitigate the impact of wildfire disasters on America's natural wilderness and rural residential communities
- CO-3: Analyze a historical wildland fire event through the lens of modern theory and operations, and provide recommendations with respect to how that fire could have been managed more effectively
- CO-4: Create planning and response strategies given that would protect natural wilderness and the public from wildland fire

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# Outline

## **Week 1: The existential nature of fire; the role of fire in the natural ecosystem; management strategies**

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Learning Objectives

CO-1

Readings

Tending Fire, Prologue, Chapters One and Two

Assignment

Forum Post #1

Assignment #1

## **Week 2: Humankind's response: Big ideas about how to mitigate, control, and utilize fire**

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Learning Objectives

CO-1

Readings

Tending Fire, Chapters Three and Four

Assignment

Forum Post #2-3

Assignment #2

## **Week 3: The technical issues and opportunities surrounding wildland firefighting**

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Learning Objectives

CO-2

Readings

Wildland Fire Incident Management Field Guide

Assignment

Forum Discussion #2-3

Assignment #3

## **Week 4: Wildland fire impact on soil and water**

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Learning Objectives

CO-1

Readings

Wildland Fire Impact in Ecosystems: Effects of Fire on Soil and water

Assignment

Forum Post #4–5

Assignment #4

### **Week 5: The Effect of Drought**

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Learning Objectives

CO-1

Readings

The Drought resource in the classroom

Assignment

Forum Discussion #4-5

Assignment #5

### **Week 6: Economics and Budgets**

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Learning Objectives

CO-2

Readings

Wildland Fire Management Program Benefit-Cost Analysis

Assignment

Assignment #6

### **Week 7: A specific fire case analysis**

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Learning Objectives

CO-2; CO-3; CO-4

Readings

Your selected resource from the approved bibliography

Assignment

Forum Post #7-8

Assignment #7-8

## Week 8: A specific fire case analysis, Bringing it all together

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Learning Objectives

CO-2; CO-3; CO-4

Readings

Your selected resource from the approved bibliography

All forum inputs posted in Week Seven

Assignment

Forum Discussion #7-8

Assignment #7-8

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## Evaluation

**Reading/Writing Assignments:** Papers will be graded using the APUS graduate rubric, with attention paid to comprehension, depth of knowledge, and clear expression of ideas and arguments. Additionally, adherence to APA conventions will be required.

**Forum Assignments:** To achieve full credit for a forum, one must: create an original post; respond to a minimum of two classmates; and respond to everyone who responded to you. Posts must be thoughtful and responses helpful in a way that enhances understanding of the topics and issues.

**Student Evaluations:** Student will be evaluated based on 80% written assignments and 20% forums. Details are available in the classroom.

**Grading:**

Name	Grade %
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## Materials

**Book Title:** Tending Fire: Coping With America's Wildland Fires

**Author:** Stephen Pyne

**Publication Info:** Island Press

**ISBN:** 9781559635653

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## Required Course Textbooks

USDA: (2016). *Effects of Drought on Forests and Rangelands in the United States: A Comprehensive Science Synthesis*. Available at <http://www.fs.fed.us/science-technology/climate-change/drought-forests-and-rangelands>

US Government. (2014). *2014 Wildland Fire Incident Management Field Guide*. Available at:

<https://www.nwccg.gov/sites/default/files/publications/pms210.pdf>

US Government. (2014). *Wildland Fire in Ecosystems: Effects of Fire on Soil and Water*. Available at: [http://www.fs.fed.us/rm/pubs/rmrs\\_gtr042\\_4.pdf](http://www.fs.fed.us/rm/pubs/rmrs_gtr042_4.pdf)

US Government. (2014). *Wildland Fire Management Program Benefit-Cost Analysis*. Available at: [https://www.doi.gov/sites/doi.gov/files/migrated/ppa/upload/Wildland\\_fire\\_literature\\_review\\_060812FINAL.pc](https://www.doi.gov/sites/doi.gov/files/migrated/ppa/upload/Wildland_fire_literature_review_060812FINAL.pc)

\*\* PLUS \*\*

One resource from the approved bibliography at the end of the syllabus.

### **Additional Resources**

Pertinent TED talks and other multimedia material will be a component of this class.

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## **Course Guidelines**

This course requires a time management plan and the self-discipline to follow it. You are responsible for managing your time, completing assignments on time, completing the readings, and making inquiries as needed to complete the course effectively. This is an 8-week course, which means the material must be learned in a short period of time. This requires dedication and diligence on the part of each student.

Students will follow the American Psychological Association Style Guide (APA 6th Edition) as the sole citation and reference style used in written work submitted as part of this course. Specifically, the parenthetical citations-reference list style method, which includes in-text citations with an adjoining reference list, will be utilized. Additional information concerning this writing style can be found within the APUS Library.

Students are expected to submit classroom assignments by the posted due date and to complete the course according to the published class schedule. As adults, students, and working professionals, I understand you must manage competing demands on your time. If you find that you need additional time to complete an assignment, please contact me before the due date so we can discuss the situation and determine an acceptable resolution. Routine submission of late assignments is unacceptable and may result in points deducted from your final course grade.

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## **University Policies**

### [Student Handbook](#)

- [Drop/Withdrawal policy](#)
- [Extension Requests](#)
- [Academic Probation](#)
- [Appeals](#)
- [Disability Accommodations](#)

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